

PTO/SB/08a (08-03)  
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|   |   |    |   | Application Number       | 10/828,956          |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |    |   | Filing Date              | 4/20/2004           |
|   |   |    |   | First Named Inventor     | John Man Kwong Kwan |
|   |   |    |   | Art Unit                 | 2131                |
|   |   |    |   | Examiner Name            | Unknown             |
| Sheet   | 1 | of | 3 | Attorney Docket Number   | 358-001CIPC         |

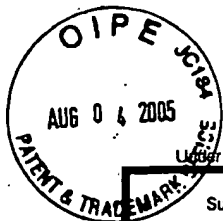
| U.S. PATENT DOCUMENTS |                          |  |                                |  |   |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                          | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
| D.P.                  |                          | US-5,524,087                               | 06-04-1998                     | Miyake et al.                                      |   |
|                       |                          | US-5,636,292                               | 08-03-1997                     | Rhoads   |   |
|                       |                          | US-5,846,997                               | 07-08-1997                     | Barton   |   |
|                       |                          | US-5,859,726                               | 08-19-1997                     | Sandford, II et al.                                |   |
|                       |                          | US-5,684,018                               | 09-02-1997                     | Leighton   |   |
|                       |                          | US-5,666,417                               | 09-09-1997                     | Liang et al.                                       |   |
|                       |                          | US-5,710,834                               | 01-20-1998                     | Rhoads   |   |
|                       |                          | US-5,721,788                               | 02-24-1998                     | Powell et al.                                      |   |
|                       |                          | US-5,745,604                               | 04-28-1998                     | Rhoads   |   |
|                       |                          | US-5,748,763                               | 05-05-1998                     | Rhoads   |   |
|                       |                          | US-5,748,783                               | 05-05-1998                     | Rhoads   |   |
|                       |                          | US-5,771,292                               | 06-23-1998                     | Zunquan  |   |
|                       |                          | US-5,819,289                               | 10-08-1998                     | Sandfor, II et al.                                 |   |
|                       |                          | US-5,822,436                               | 10-13-1998                     | Rhoads   |   |
|                       |                          | US-5,825,892                               | 10-20-1998                     | Braudaway et al.                                   |   |
|                       |                          | US-5,832,119                               | 11-03-1998                     | Rhoads   |   |
|                       |                          | US-5,841,886                               | 11-24-1998                     | Rhoads   |   |
|                       |                          | US-5,841,978                               | 11-24-1998                     | Rhoads   |   |
|                       |                          | US-5,850,481                               | 12-15-1998                     | Rhoads   |   |
|                       |                          | US-5,862,260                               | 01-19-1999                     | Rhoads   |   |
|                       |                          | US-5,889,868                               | 03-30-1999                     | Moskowitz et al.                                   |   |
|                       |                          | US-5,898,779                               | 04-27-1999                     | Squilla et al.                                     |   |
|                       |                          | US-5,905,800                               | 05-18-1999                     | Moskowitz et al.                                   |   |
|                       |                          | US-5,915,027                               | 08-22-1999                     | Cox et al.   |   |
|                       |                          | US-5,930,369                               | 07-27-1999                     | Cox et al.   |   |
|                       |                          | US-5,949,885                               | 09-07-1999                     | Leighton   |   |
|                       |                          | US-5,960,081                               | 09-28-1999                     | Vynne et al.                                       |   |
|                       |                          | US-5,995,630                               | 11-30-1999                     | Borza  |   |

| FOREIGN PATENT DOCUMENTS |                          |   |                                |  |   |                |
|--------------------------|--------------------------|---|--------------------------------|--|---|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |  |   |                |
|                          |                          | 0860997 EP  |                                |  |   |                |
|                          |                          | WO 98/54897   |                                |  |   |                |

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|-----------------------|-----------------------|--------------------|---------|
| Examiner<br>Signature | <i>Janet J. Adams</i> | Date<br>Considered | 2/11/07 |
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### Complete if Known:

|                        |                     |
|------------------------|---------------------|
| Application Number     | 10/828,956          |
| Filing Date            | 4/20/2004           |
| First Named Inventor   | John Man Kwong Kwan |
| Art Unit               | 2131                |
| Examiner Name          | Unknown             |
| Attorney Docket Number | 358-001CIPC         |

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|-------|---|----|---|
| Sheet | 2 | of | 3 |
|-------|---|----|---|

### U.S. PATENT DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
|                       |                          | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
| J.P.                  |                          | US-6,002,772                               | 12-14-1999                     | Saito  |   |
|                       |                          | US-6,021,227                               | 02-01-2000                     | Sapiro et al.                                      |   |
|                       |                          | US-6,049,627                               | 04-11-2000                     | Becker et al.                                      |   |
|                       |                          | US-6,069,914                               | 05-30-2000                     | Cox  |   |
|                       |                          | US-6,072,888                               | 06-08-2000                     | Powell et al.                                      |   |
|                       |                          | US-6,128,736                               | 10-03-2000                     | Miller   |   |
|                       |                          | US-6,208,745                               | 03-27-2001                     | Florencio et al.                                   |   |
|                       |                          | US-6,434,701                               | 08-13-2002                     | Kwan   |   |
| J.P.                  |                          | US-2001/0020270                            | 09-06-2001                     | Yeung et al.                                       |   |
|                       |                          | US-2002/0029338                            | 03-07-2002                     | Bloom et al.                                       |   |
|                       |                          | US-  |                                |  |   |
|                       |                          | US-  |                                |  |   |
|                       |                          | US-  |                                |  |   |
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|                       |                          | US-  |                                |  |   |
|                       |                          | US-  |                                |  |   |

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| Examiner<br>Signature | <i>John O. Mann</i> | Date<br>Considered | 2/11/07 |
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|   |   | Art Unit                 | 2131                |                        |             |
|   |   | Examiner Name            | Unknown             |                        |             |
| Sheet   | 3 | of                       | 3                   | Attorney Docket Number | 358-001CIPC |

| NON PATENT LITERATURE DOCUMENTS |          |   |                |
|---------------------------------|----------|---|----------------|
| Examiner Initials*              | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.   | T <sup>2</sup> |
| O.P.                            |          | G. CARONNI, "Assuring Ownership Rights for Digital Images," Proceedings Der GI-Fachtagung VIS, XX, XX, 1995; Pages 251-263, XP000668970.  |                |
| O.P.                            |          | T. NAKAMURA, et al., "A Watermark Technique for Still Images," NTT Review, JP, Telecommunications Association, Tokyo, Vol. 11, No.1, January 1999; Pages 124-128, XP000804415.  |                |
| O.P.                            |          | W. BENDER, et al., "Techniques for Data Hiding," IBM Systems Journal, US, IBM Corp. Armonk, New York, Vol. 35, No.3/04. 1996; Pages 313-335, XP000635079.   |                |
| O.P.                            |          | M. D. SWANSON, et al., "Current State of the Art, Challenges and Future Directions for Audio Watermarking," Proceedings IEEE International Conference on Multimedia Computing Systems: Proceedings of ICMCS99: IEEE Multimedia Systems '99: International Conference on Multimedia Computing and Systems, Florence, Italy, 7-11, Vol.1, June 1999 Pages 19-24, XP002146171. |                |
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| Examiner Signature | <i>John Man Kwong Kwan</i> | Date Considered | 2/11/07 |
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